



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE PATENT APPLICATION OF: MOHARRAM, Omayma EL-SAYED

SERIAL NO: 10/668,133

ART UNIT: 3629

FILING DATE: 09/24/2003

SUBJECT: TOOL AND METHOD FOR OPERATIONS, MANAGEMENT, CAPACITY,  
AND SERVICES BUSINESS SOLUTION FOR A  
TELECOMMUNICATIONS NETWORK

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Dear Sir:

**INFORMATION DISCLOSURE AND PRIORITY BENEFITS**

The undersigned respectfully submits the following for consideration in respect of the examination of the above-identified application and for claiming the priority benefits:

1. Information disclosure statement, (a copy of the publication is attached); and
2. Priority data sheet, (a certified copy of the Canadian's application is attached).

Yours truly,

Omayma Moharram, Ph.D., P.Eng.  
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PTO/SB/028 (08-03)

Approved for use through 08/31/2003, OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**DECLARATION – Supplemental Priority Data Sheet****Foreign applications:**

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
2,440,173	CANADA	09/04/2003	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 21 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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CA 2440173 A1 2005/03/04

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(12) DEMANDE DE BREVET CANADIEN  
CANADIAN PATENT APPLICATION

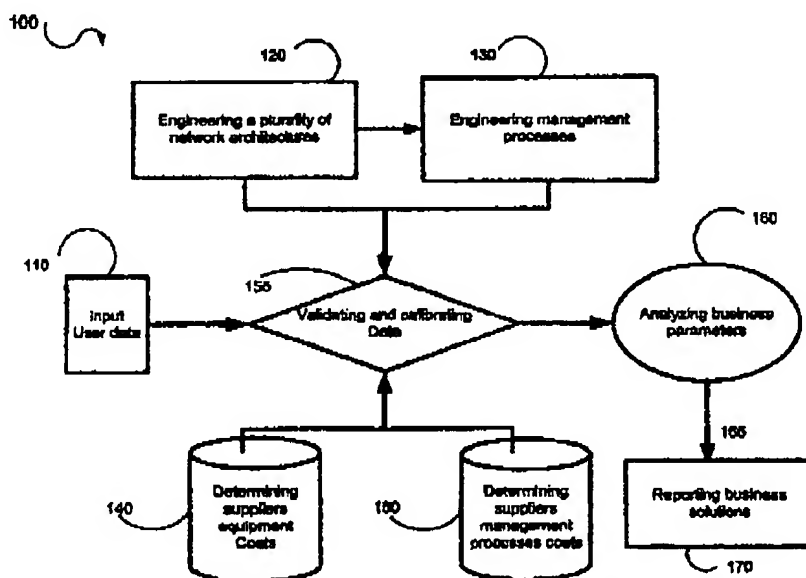
(13) A1

(22) Date de dépôt/Filing Date: 2003/09/04

(41) Mise à la disp. pub./Open to Public Insp.: 2005/03/04

(51) Cl.Int.<sup>7</sup>/Int.Cl.<sup>7</sup> G06F 17/60, H04L 12/00(71) Demandeur/Applicant:  
MOHARRAM, Omayma E., CA(72) Inventeur/Inventor:  
MOHARRAM, Omayma E., CA

(54) Titre : OUTIL ET METHODE APPORTANT UNE SOLUTION COMMERCIALE D'EXPLOITATION, DE GESTION, DE  
CAPACITE ET DE SERVICES POUR UN RESEAU DE TELECOMMUNICATIONS  
(54) Title: TOOL AND METHOD FOR OPERATIONS, MANAGEMENT, CAPACITY, AND SERVICES BUSINESS  
SOLUTION FOR A TELECOMMUNICATIONS NETWORK



## (57) Abrégé/Abstract:

An operations, management, capacity, and services (OMCS) tool and method are presented for analyzing business parameters for a plurality of network architectures; and comparing the business parameters for said network architectures for determining cost savings of one network architecture versus another and for determining a business solution that articulates the network architecture for reducing total expenditure. The business parameters comprise capital expenditure (CAPEX), operational expenditure (OPEX), total expenditure, revenue, capacity, return on investment (ROI), and other business and financial statistics. The OMCS tool and method determine the business solution for an owned, a leased, or partially owned and leased telecommunications network. The business solution further comprises network architecture having network elements (NEs), customer premise equipment (CPE), and links from the same or different equipment suppliers; and having network, service, and customer management processes from the same or different management processes suppliers.

Canada

<http://opic.gc.ca> • Ottawa-Hull K1A 0C9 • <http://cipo.gc.ca>

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FROM : Omayma Moharram

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Apr. 20 2005 03:11PM P4



PTO/SB/DMA (08-03)  
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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE  
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Substitute for form 1449PTO

**Complete if Known**

Application Number	10/668,133
Filing Date	09/24/2003
First Named Inventor	Omayma E. Moharram
Art Unit	3629
Examiner Name	
Attorney Docket Number	

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
(Use as many sheets as necessary)

Sheet 1 of 1

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.†	Document Number Number-Kind Code‡ § 1.52	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US- 6,448,123	09/03/2002	Battantina, et al.	
		US- 6,298,123	10/02/2001	Notling, et al.	
		US- 6,219,654	04/17/2001	Ruffin, Michael	
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FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.†	Foreign Patent Document Country Code‡ Number-Kind Code‡ § 1.52	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	Y*

Examiner Signature	Date Considered
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. †Applicant's unique citation designation number (optional). ‡See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. § Enter Office that issued the document, by the two-letter code (WIPO Standard 61.3). ¶ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ¶¶ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard 61.16 if possible. ¶¶ Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to be (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1480, Alexandria, VA 22313-1480.

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## Complete & Known

**(Use as many sheets as necessary)**

Sheet 1

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Application Number:

10/668,133

**Filing Date**

09/24/2003

**First Named Inventor**

**Omarina E. Moharram**

**Art Unit**

3629

Examiner Name: \_\_\_\_\_

Attorney Docket Number

[illegible]

Examiner Signature		Date Considered	
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**EXAMINER:** Initial if evidence considered, whether or not citation is in conformance with MPEP 808. Draw time through citation if not in conformance and not considered. Include copy of this form with final communication to applicant.

**1** Applicant's unique citation designation number (applicant). **2** Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 38 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1458, Alexandria, VA 22313-1450. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1458, Alexandria, VA 22313-1458.**

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